## SEQUENCE LISTING

```
<110> STUPP, SAMUEL I.
     BENIASH, ELIA
      HARTGERINK, JEFFREY D.
<120> COMPOSITION AND METHOD FOR SELF-ASSEMBLY AND
      MINERALIZATION OF PEPTIDE-AMPHIPHILES
<130> NANO 106 US2
<140> 10/534,097
<141> 2005-11-08
<150> 60/425,536
<151> 2002-11-12
<150> 60/425,689
<151> 2002-11-12
<150> PCT/US03/04779
<151> 2003-02-18
<160> 22
<170> PatentIn Ver. 3.3
<210> 1
<211> 5
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 1
Ile Lys Val Ala Val
<210> 2
<211> 11
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
<400> 2
Cys Cys Cys Gly Gly Gly Ser Arg Gly Asp
```

```
<210> 3
<211> 13
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
   peptide
<400> 3
Cys Cys Cys Gly Gly Glu Ile Lys Val Ala Val
<210> 4
<211> 13
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 4
Cys Cys Cys Cys Arg Phe Glu Phe Arg Phe Glu Phe Arg
<210> 5
<211> 11
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(A)
<400> 5
Cys Cys Cys Gly Gly Gly Ser Arg Gly Asp
<210> 6
<211> 5
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
```

```
<400> 6
Tyr Ile Gly Ser Arg
<210> 7
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
<400> 7
Cys Cys Cys Gly Gly Gly Ser
<210> 8
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<220>
<221> MOD_RES
<222> (4)
<223> Ser(P)
<400> 8
Gly Gly Ser Arg Gly Asp
<210> 9
<211> 11
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
```

```
<400> 9
Ala Ala Ala Gly Gly Gly Ser Arg Gly Asp
<210> 10
<211> 11
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
<400> 10
Cys Cys Cys Gly Gly Gly Ser Lys Gly Glu
<210> 11
<211> 11
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
<400> 11
Ala Ala Ala Gly Gly Gly Ser Lys Gly Glu
<210> 12
<211> 11
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 12
Cys Cys Cys Gly Gly Gly Ser Arg Gly Asp
```

```
<210> 13
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<220>
<221> MOD_RES
<222> (8)
<223> Ser(P)
<400> 13
Cys Cys Cys Gly Gly Gly Ser Arg Gly Asp Ser
<210> 14
<211> 12
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<220>
<221> MOD_RES
<222> (9)
<223> Ser(P)
<220>
<221> MOD RES
<222> (11)
<223> Ser(P)
<400> 14
Cys Cys Cys Gly Gly Gly Ser Ser Asp Ser Asp
<210> 15
<211> 13
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 15
Cys Cys Cys Cys Gly Gly Lys Ile Lys Val Ala Val
```

```
<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      peptide
<400> 16
Tyr Gln Tyr Gln Tyr Gln
<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<400> 17
Ala Gln Ala Gln Ala Gln
<210> 18
<211> 8
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 18
Tyr Gln Ala Gln Tyr Gln Ala Gln
<210> 19
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 19
Arg Ala Asp Ala Arg Ala Asp Ala
```

```
<210> 20
<211> 6
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      peptide
<400> 20
His Asn His Asn His Asn
<210> 21
<211> 8
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      peptide
<400> 21
His Asn His Gln His Asn Gln His
<210> 22
<211> 12
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
     peptide
<400> 22
Ala Cys Ala Ala Gly Gly Gly Lys Arg Gly Asp Ser
```